

NIGERIA
Last Updated: 2006-11-20

Level	Date	Region and sample descriptor	Sex	Age (years)	Sample size	Haemoglobin (g/L)						Mean	SD	Method	Reference	Notes	
						Proportion (%) of population with haemoglobin below:										General	Line
						70	100	110	115	120	130						
L	1995 -1997	K'Dere: NPNLW	F	14.00- 19.99	307					40.3			B	4960	*	1	
LU	1994	Port Harcourt: Adolescent girls: Total	F	14.00- 19.99	829					59.1			B	4835	*	2	
		Port Harcourt: Adolescent girls by age	F	14.00- 14.99	42					64.3							
		Port Harcourt: Adolescent girls by age	F	15.00- 15.99	163					53.4							
		Port Harcourt: Adolescent girls by age	F	16.00- 16.99	256					60.9							
		Port Harcourt: Adolescent girls by age	F	17.00- 17.99	205					56.1							
		Port Harcourt: Adolescent girls by age	F	18.00- 18.99	136					68.4							
		Port Harcourt: Adolescent girls by age	F	19.00- 19.99	27					44.4							
L	1994 P	Dawakin Kudu: PW	F	15.00- 35.99	182					88	1	A	5016	*			
		Dawakin Kudu: LW	F	15.00- 30.99	105					106	13						
L	1993 P	Ife: PW: Total	F	NS	1077		41.2			105	15	D	2576	*	3		
		Ife: PW by gestational age: 1st trimester	F	NS	174					107							
		Ife: PW by gestational age: 2nd trimester	F	NS	582					102							
		Ife: PW by gestational age: 3rd trimester	F	NS	255					106							
N	1993	Women: Total	F	15.00- 45.99	2296					114	14	D	50	*	4		
		Children: Total	B	0.50- 5.99	2836			75.6		98	17						
		Women by physiological status: NPW	F	15.00- 45.99	1859				62.0	115	13						
		Women by physiological status: PW	F	15.00- 45.99	318			66.7		105	14						
		Women by zone: South east	F	15.00- 45.99	602												
		Women by zone: South west	F	15.00- 45.99	670												
		Women by zone: North west	F	15.00- 45.99	471												
		Women by zone: North east	F	15.00- 45.99	434												
		Women by area: Urban	F	15.00- 45.99	906												
		Women by area: Periurban	F	15.00- 45.99	226												
		Women by area: Rural	F	15.00- 45.99	1045												
		Children by sex	F	0.50- 5.99	1294			74.1									
		Children by sex	M	0.50- 5.99	1542			77.0									
		Children by age	B	0.50- 0.99	247			89.9		91							
		Children by age	B	1.00- 1.49	312			84.0		93							
Children by age	B	1.50- 1.99	280			78.9		96									
Children by age	B	2.00- 2.99	561			73.3		98									
Children by age	B	3.00- 3.99	504			72.6		100									

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						Proportion (%) of population with haemoglobin below:										General	Line
						70	100	110	115	120	130						
N	1993	Children by age	B	4.00- 4.99	383			67.4				102		D	50		
		Children by age	B	5.00- 5.99	334			65.9				104					
		Children by zone: South east	B	0.50- 5.99	693			72.9									
		Children by zone: South west	B	0.50- 5.99	818			81.1									
		Children by zone: North west	B	0.50- 5.99	752			77.9									
		Children by zone: North east	B	0.50- 5.99	582			68.4									
		Children by area: Urban	B	0.50- 5.99	1149			70.5									
		Children by area: Periurban	B	0.50- 5.99	252			76.2									
		Children by area: Rural	B	0.50- 5.99	1444			79.6									
N	1992 -1993	Women: Total	F	15.00- 45.99	1316					24.9			A	41	*		
		Children: Total	B	0.00- 6.99	1233					29.4							
		Women by zone: A	F	15.00- 45.99	140					61.4							
		Women by zone: B	F	15.00- 45.99	NS					29.6							
		Women by zone: C	F	15.00- 45.99	NS					11.6							
		Women by zone: D	F	15.00- 45.99	NS					12.7							
		Children by zone: A	B	0.00- 6.99	145					49.7							
		Children by zone: B	B	0.00- 6.99	NS					47.1							
		Children by zone: C	B	0.00- 6.99	NS					14.9							
		Children by zone: D	B	0.00- 6.99	NS					11.1							
L	1987 -1989	Enugu: PW: Total	F	NS	6577		9.1						NS	2573	*		
		Enugu: PW by pregnancy number: 1-4	F	NS	5844		8.1										
		Enugu: PW by pregnancy number: >=5	F	NS	733		16.6										
L	1986 P	Enugu: PW: Total	F	NS	341		6.7						A	2563	*		
		Enugu: PW by gestational age: 1st trimester	F	NS	71		1.4			121	10						
		Enugu: PW by gestational age: 2nd trimester	F	NS	130		7.7			117	12						
		Enugu: PW by gestational age: 3rd trimester	F	NS	140		8.6			118	12						
L	1985 -1986	Ibadan: PW: Total	F	13.00- 50.99	4649		0.9	22.5					D	2562	*		
		Ibadan: PW by age	F	13.00- 19.99	704			34.0									
		Ibadan: PW by age	F	20.00- 24.99	1367			22.0									
		Ibadan: PW by age	F	25.00- 29.99	1346			20.0									
		Ibadan: PW by age	F	30.00- 34.99	865			19.0									
		Ibadan: PW by age	F	35.00- 39.99	267			18.0									

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						70	100	110	115	120	130						
L	1985 -1986	Ibadan: PW by age Ibadan: PW by age	F F	40.00- 44.99 45.00- 50.99	91 9			25.0 11.0					D	2562			
L	1977 -1978	Zaria: PW	F	NS	228			43.4			113	16	C	2386		15	

NOTES

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Reference No: 4960

General Notes: *Study in K'Dere, an Ogoni farming/fishing village in Gohana District, 60 km from Port Harcourt in the Niger Delta; sampling: all 385 eligible girls located were asked to participate, 337 were enrolled and there was complete data of 307 girls; inclusion only of nonpregnant nulliparous girls aged <20 yrs who had begun to menstruate; exclusion of subjects who were married, who became pregnant or had recently delivered, who were chronically ill or not permanent village residents; value for other Hb cut-off level.*

Line note 1 Disaggregated data by menstrual blood loss.

Reference No: 4835

General Notes: *Facility-based study (3 government and 2 local secondary schools) in and around the Orogbum area of Port Harcourt; sampling: random selection of classes with probability proportionate to size across the five schools, 845 out of the 1081 school-attending girls aged 14-19 yrs were enrolled; Hb determination for 829 girls; values for other Hb cut-off levels.*

Line note 2 Prevalence of severe anaemia 0.7% (Hb <80 g/L).

Reference No: 5016

General Notes: *Facility based study (antenatal and postnatal clinic of the Comprehensive Health Centre) in Dawakin Kudu, Kano State; sampling: design not explained; exclusion of subjects who took antimalarials, iron or folate supplements; only mean Hb values.*

Reference No: 2576

General Notes: *Facility based study (hospital); method: Oxyhaemoglobin.*

Line note 3 Prevalence of anaemia 50.0% (Hb <105 g/L).

Reference No: 50

General Notes: *Method: portable haemoglobin meter.*

Line note 4 Sample size 2296 includes mislabelled samples; prevalence of anaemia 62.7% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 5 Prevalence of anaemia 63.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 6 Prevalence of anaemia 70.9% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 7 Prevalence of anaemia 66.5% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 8 Prevalence of anaemia 44.7% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 9 Prevalence of anaemia 58.2% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 10 Prevalence of anaemia 66.8% (Hb <110 g/L PW, Hb <120 g/L NPW).

Line note 11 Prevalence of anaemia 65.6% (Hb <110 g/L PW, Hb <120 g/L NPW).

Reference No: 41

General Notes: *Study in 10 states in 4 zones (zone A: Benue, Cross River; zone B: Ondo, Oyo, Osun; zone C: Kaduna, Niger; zone D: Adamawa, Bauchi, Taraba); method: clinical signs (conjunctival pallor) suggested lower prevalence than Hb data; women are mothers of surveyed children.*

Line note 12 Contradictory results, might also be 31.6%.

Line note 13 Contradictory results, might also be 42.7%.

Line note 14 Contradictory results, might also be 11.5%.

Reference No: 2573

General Notes: *Facility based study (hospital).*

Reference No: 2563

General Notes: *Facility based study (antenatal clinic).*

Reference No: 2562

General Notes: *Facility based study (hospital); method: Tymadh.*

Reference No: 2386

Line note 15 Primigravidae; gestational age <24 wks; prevalence of anaemia 7.0% (Hb <90 g/L).

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